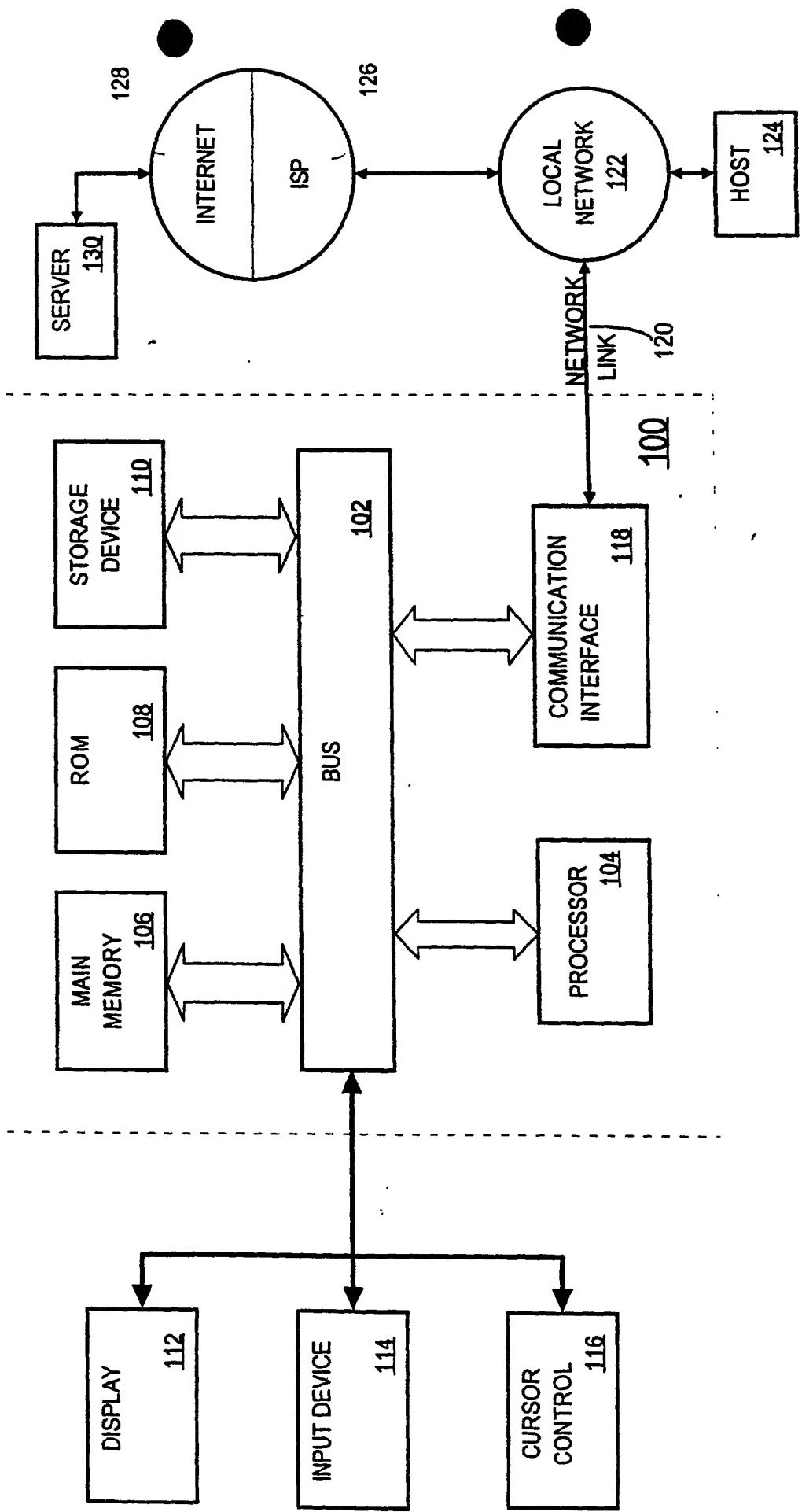


FIG. 1



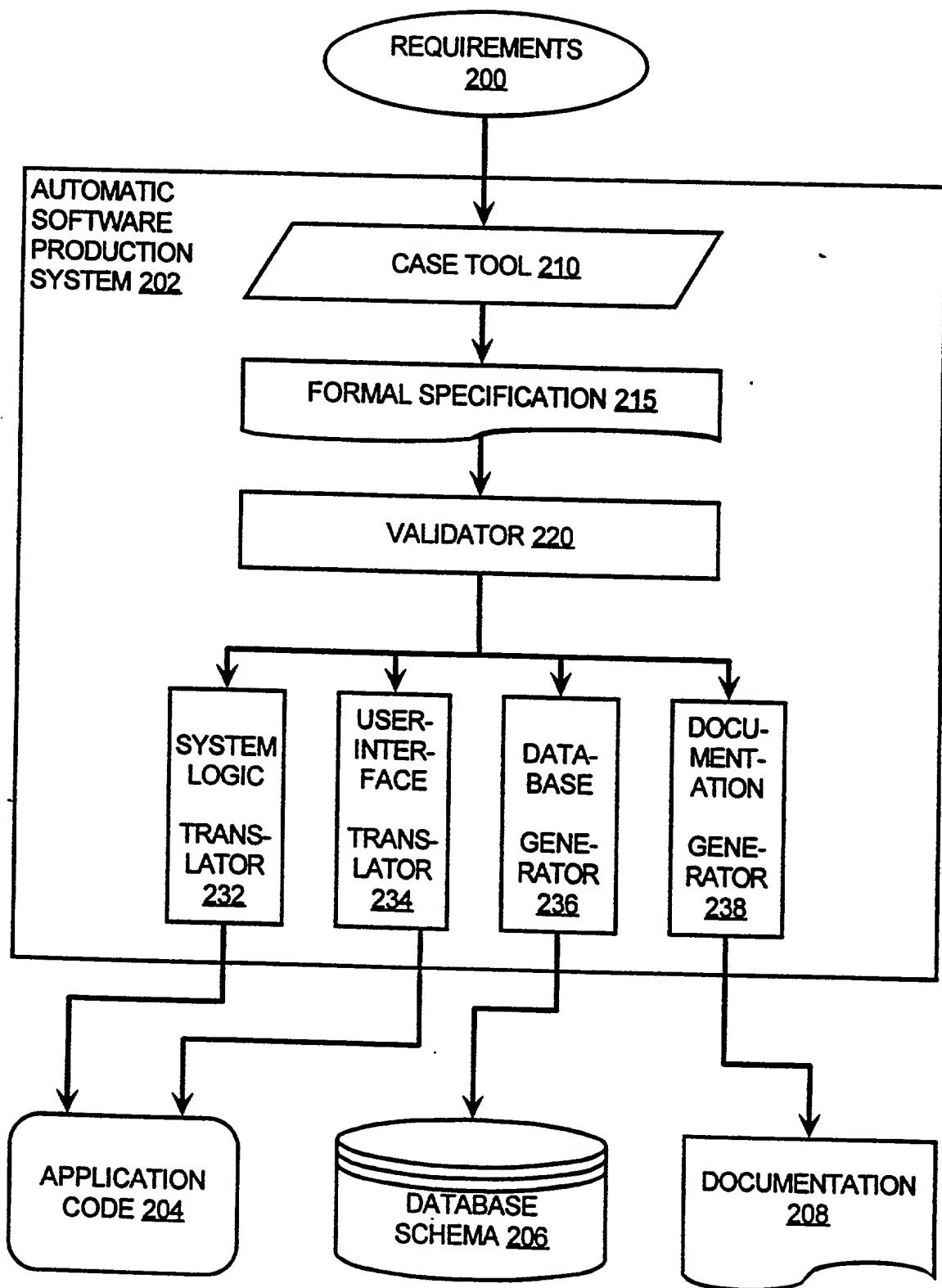


FIG. 2

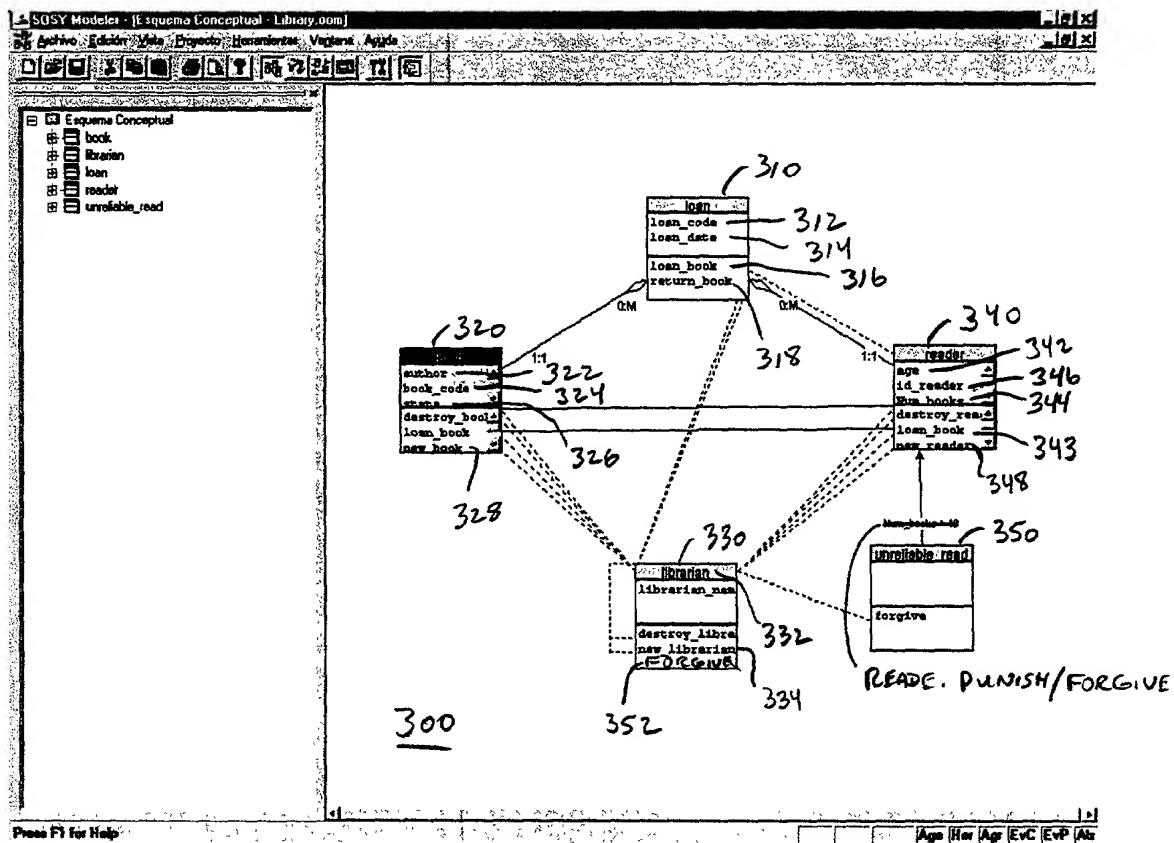


FIG. 3

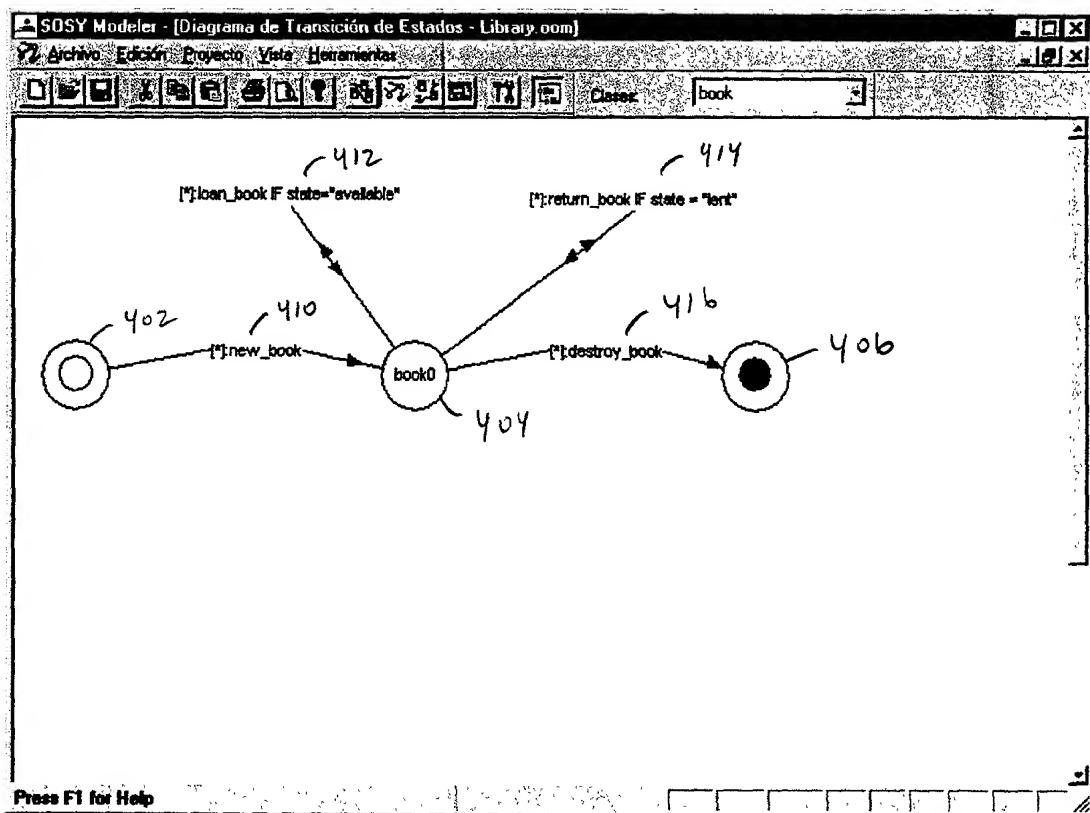


FIG. 4 A

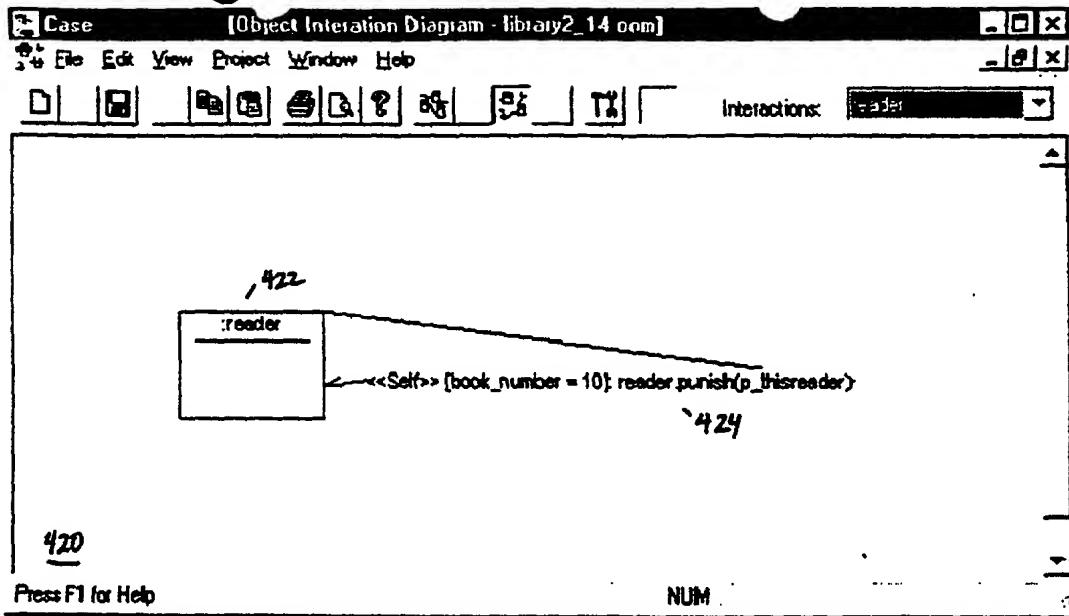


FIG. 4

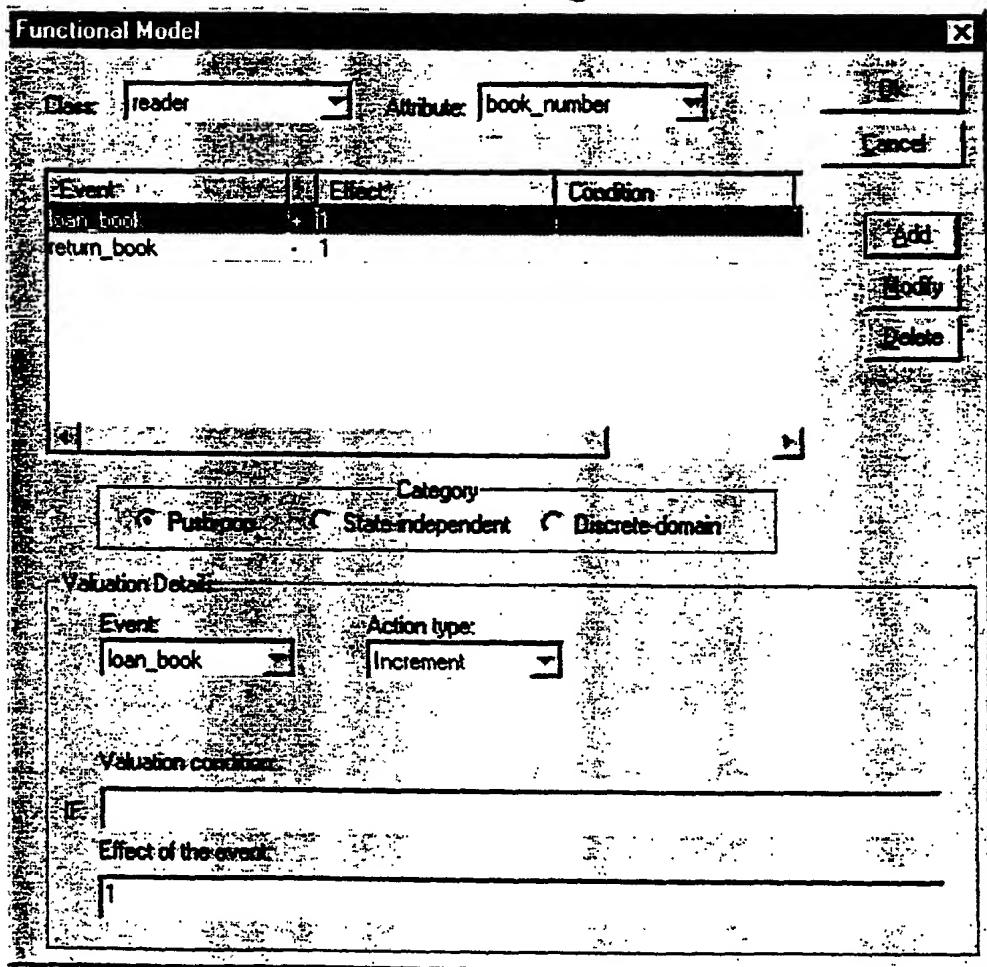


FIG. 5

FLOWCHART OF THE FUNCTIONS THAT ALL SPECIES OF SYSTEM LOGIC TRANSLATORS WILL PERFORM

1993-04-12 10:11:00

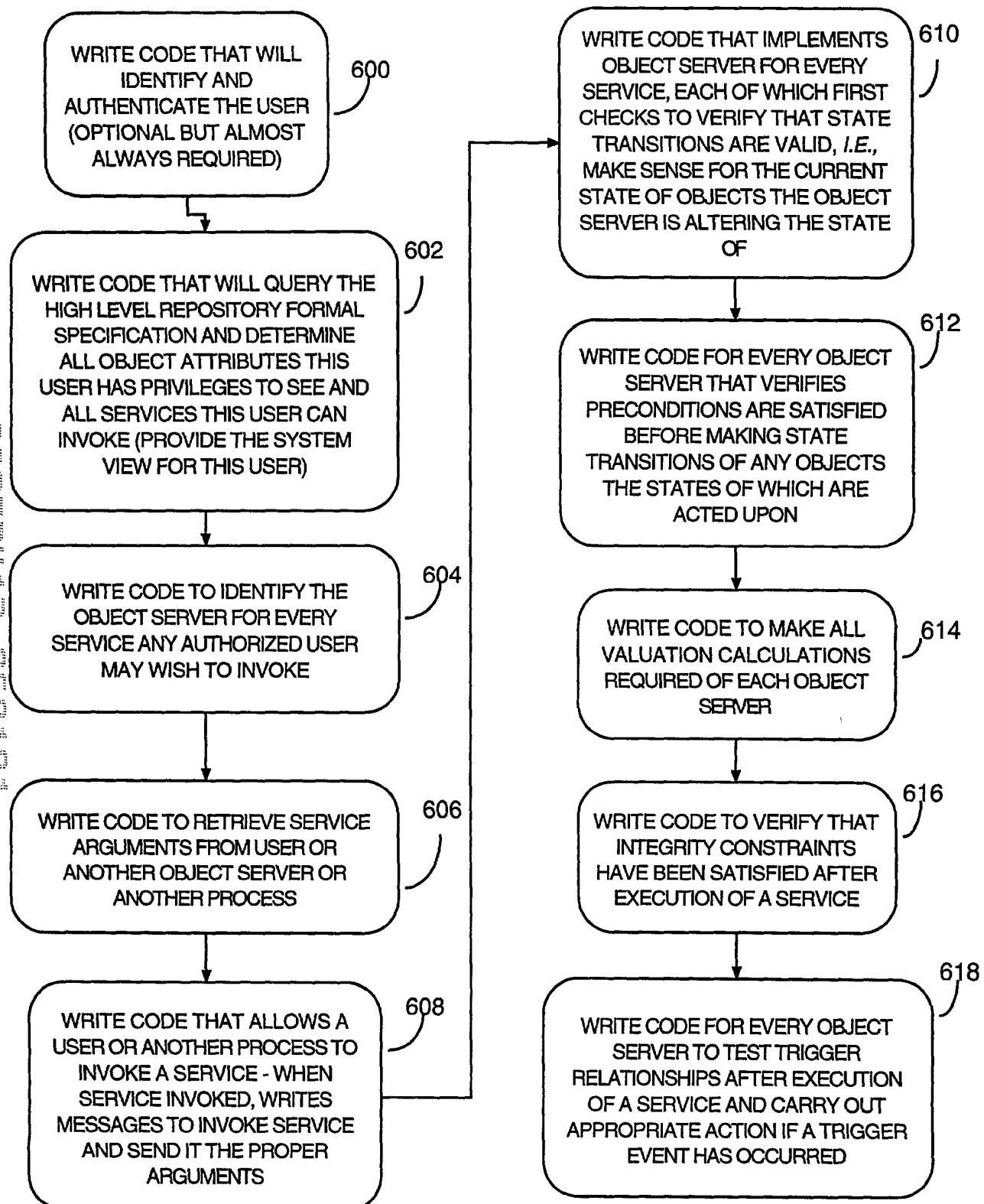


FIG. 6

FLOWCHART OF THE FUNCTIONS THAT ALL SPECIES IN THE USER INTERFACE TRANSLATOR SUBGENUS WILL PERFORM

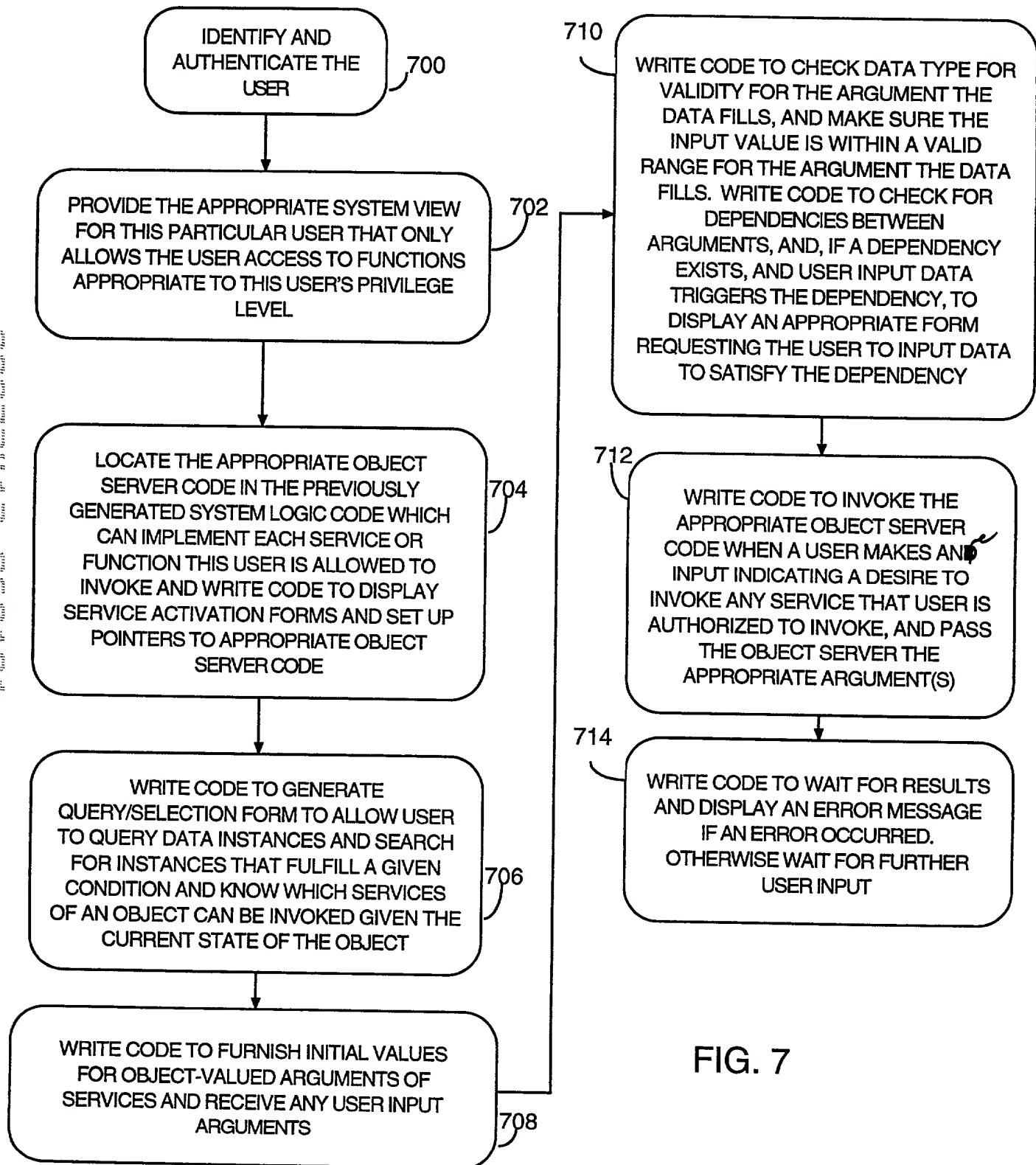
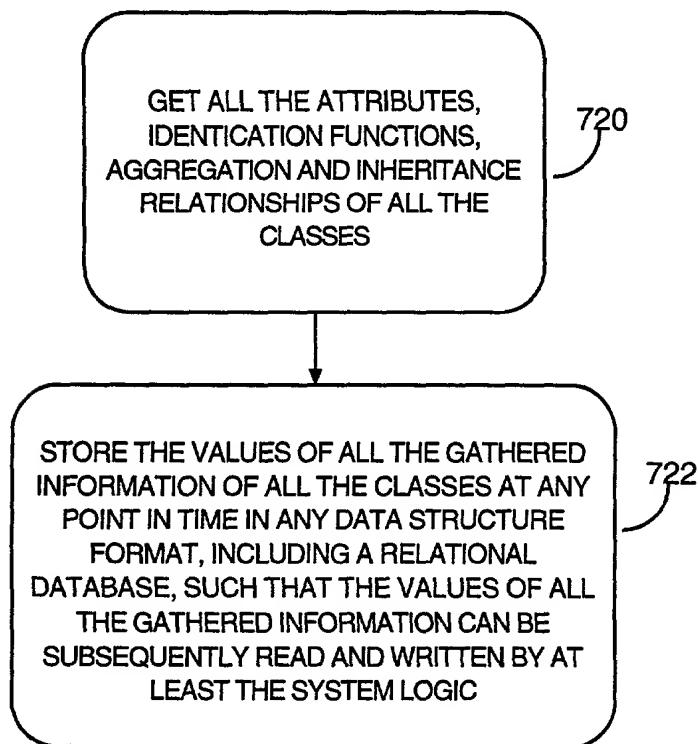


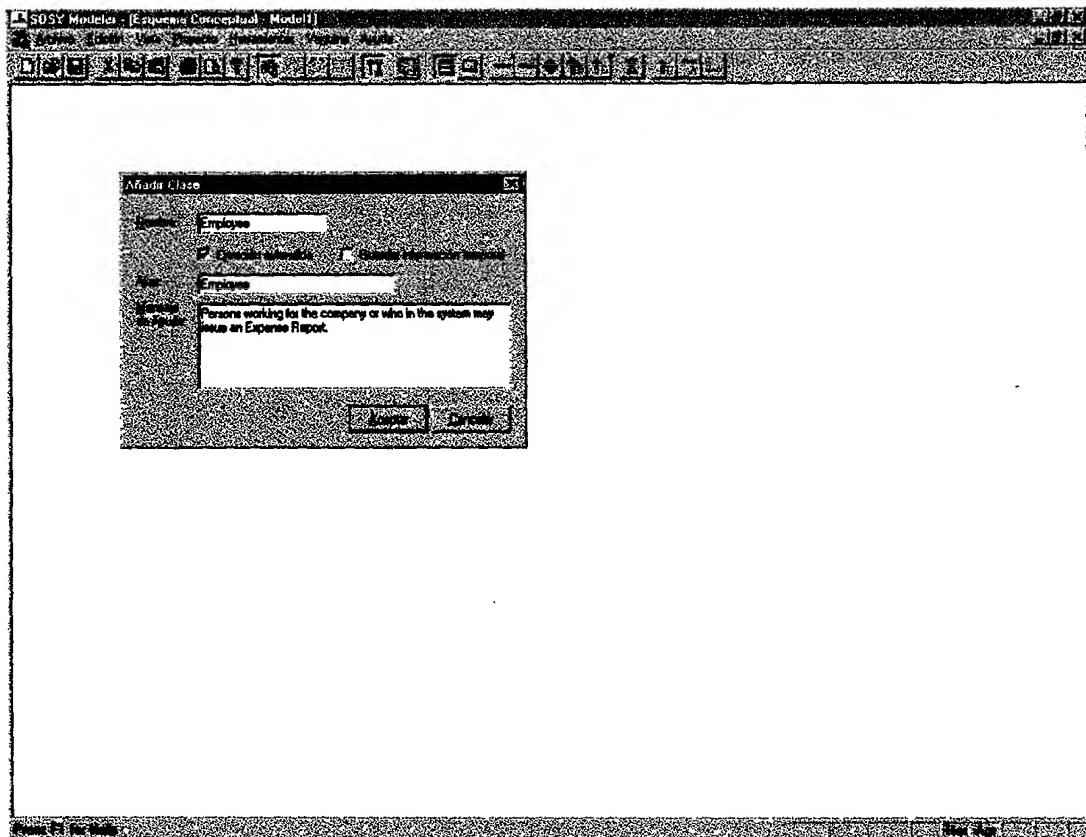
FIG. 7

FLOWCHART OF THE FUNCTIONS THAT ALL SPECIES IN THE DATABASE GENERATOR TRANSLATOR SUBGENUS WILL PERFORM



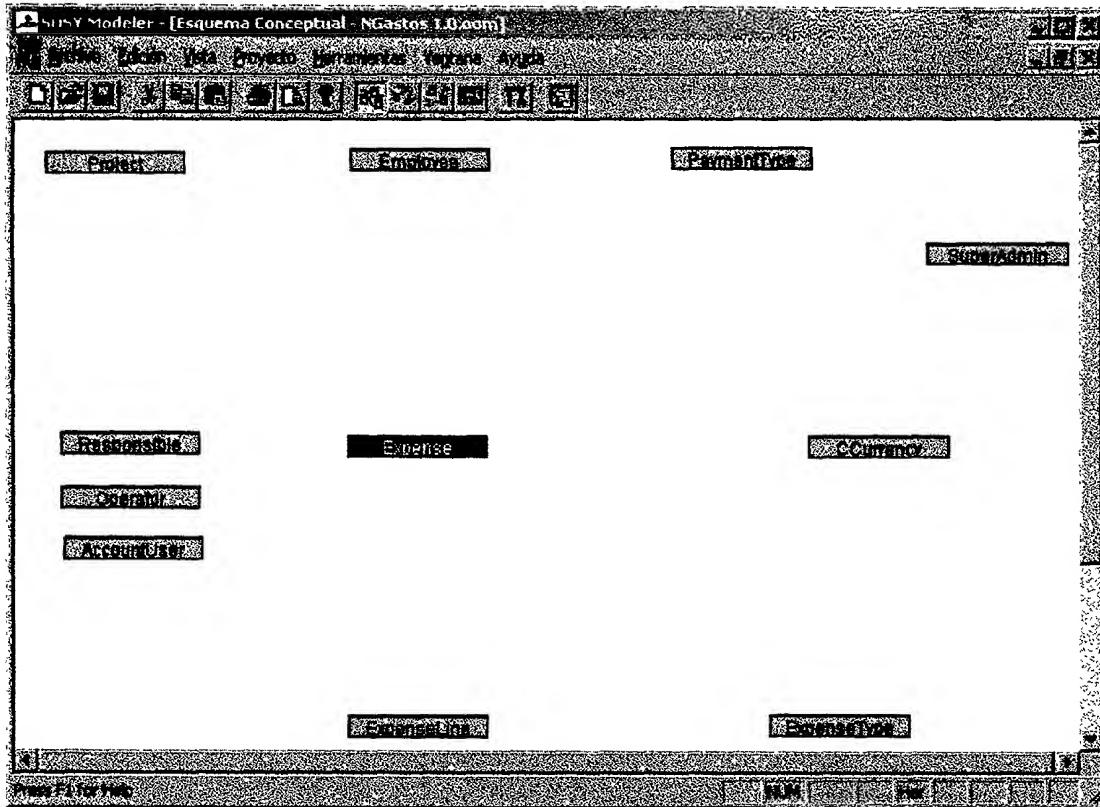
卷之三

FIG. 8



class creation dialog

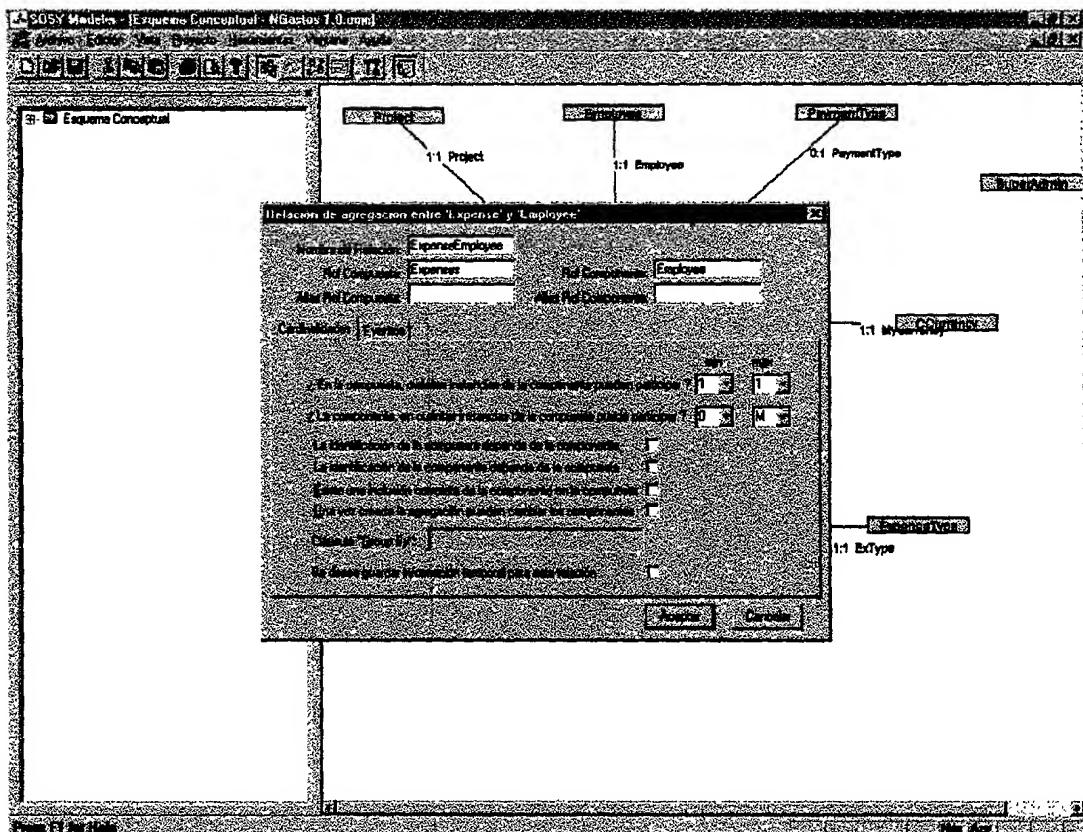
FIG. 9A



DIALOG SHOWING ALL CLASSES NEEDED & CREATED
IN EXPENSE MANAGEMENT SYSTEM

FIG. 9B

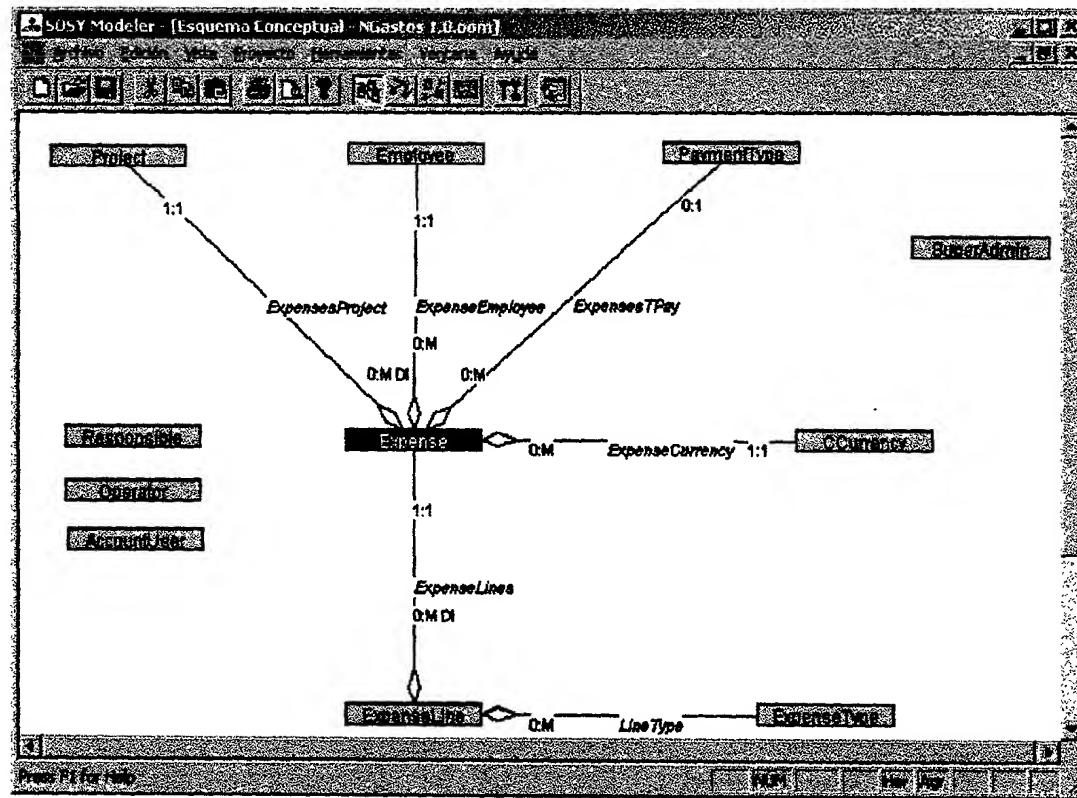
053373413 0604034



dialog to create and modify relationships between classes

FIG. 9C

figure shows relationships found with all their properties indicated.



GRAPHIC DIALOG TO CREATE
RELATIONSHIPS BETWEEN CLASSES
AND GRAPHICALLY SHOW THE
RELATIONSHIPS SO CREATED

FIG. 10

Clase: Expense

Nombre	Tipo Variable	Valor por defecto	Unidad	Validación	Formato	Notas
PresentDate	Constante	Date		today()	SI	No
Status	Variable	Int		0	No	No
Cause	Variable	String	255		SI	No
AuthDate	Variable	Date		NULL	No	SI
AuthComments	Variable	String	255	NULL	No	SI
PaymenDate	Variable	Date		NULL	No	SI
PayComments	Variable	String	255		No	SI
TotalExpenses	Derivado	Real				
TotalExpensesCur	Derivado	Real				
Advances	Variable	Real		0	SI	No
AdvancesCur	Derivado	Real				
Exchange	Variable	Real			No	SI
Balance	Derivado	Real				
BalanceCur	Derivado	Real				

Almacén: Tipo Variable: Unidad:

Información temporal Notas >>

Almacén:

Observaciones:

(A)

Clase

Alumnos | Actividad | Documentos | Recursos | Apoyo | Transacciones | Presupuesto | Comunicado |

Noticias

Balance

Resumen de Operaciones

Operación: Formulas: Total Expenses - Advances

Comisiones

Formulas

Objetos de compra

Clase

Cierre

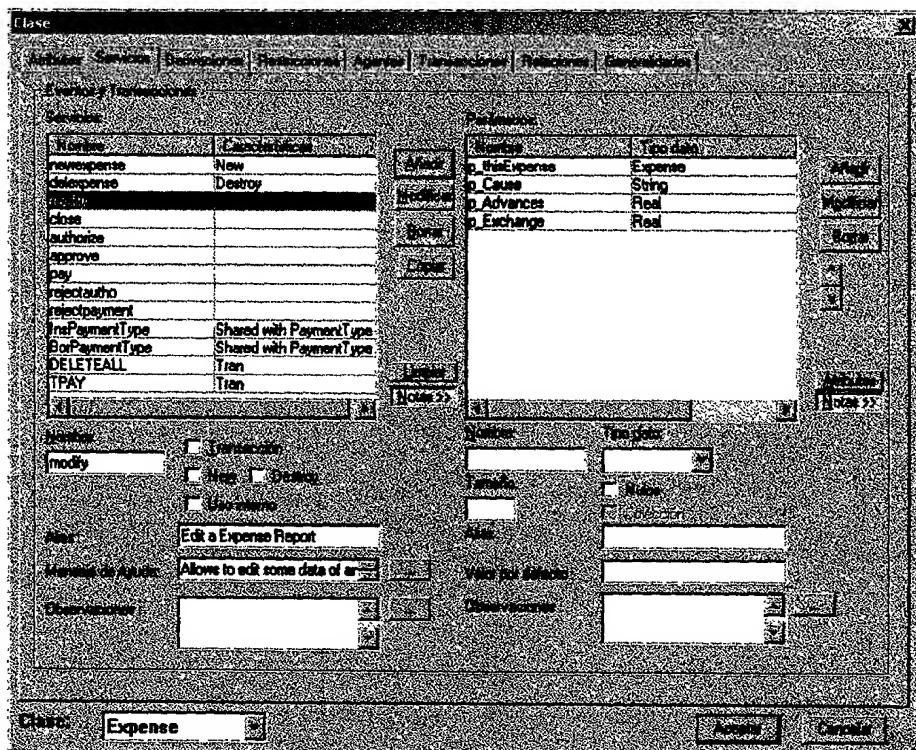
Expense

Close

(B)

FIG. 11

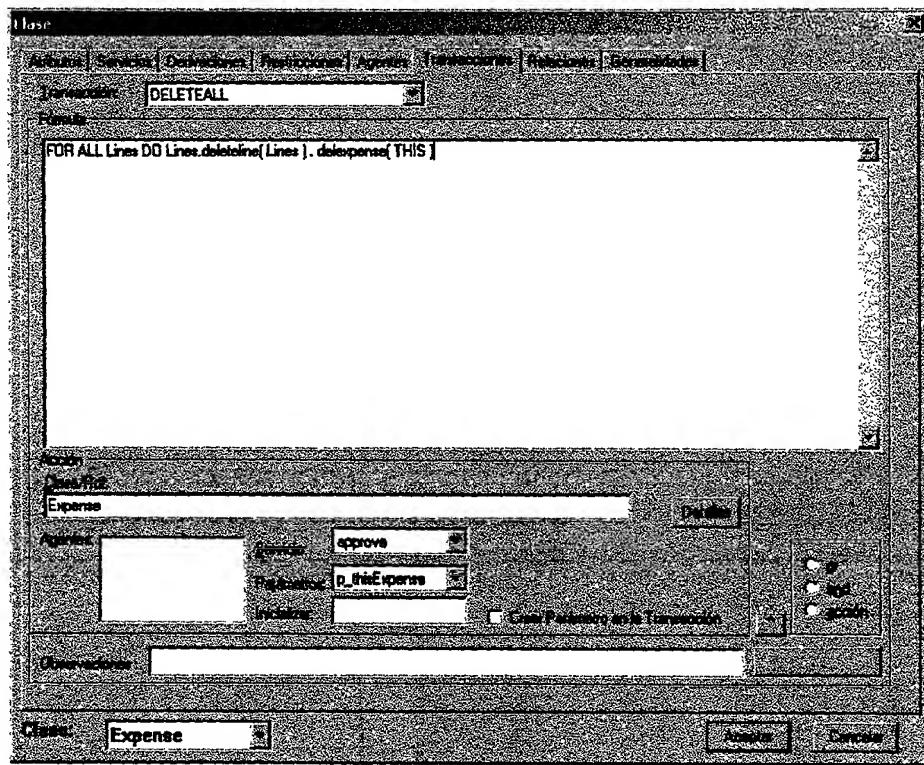
卷之三



SERVICES OF CLASS "EXPENSE"

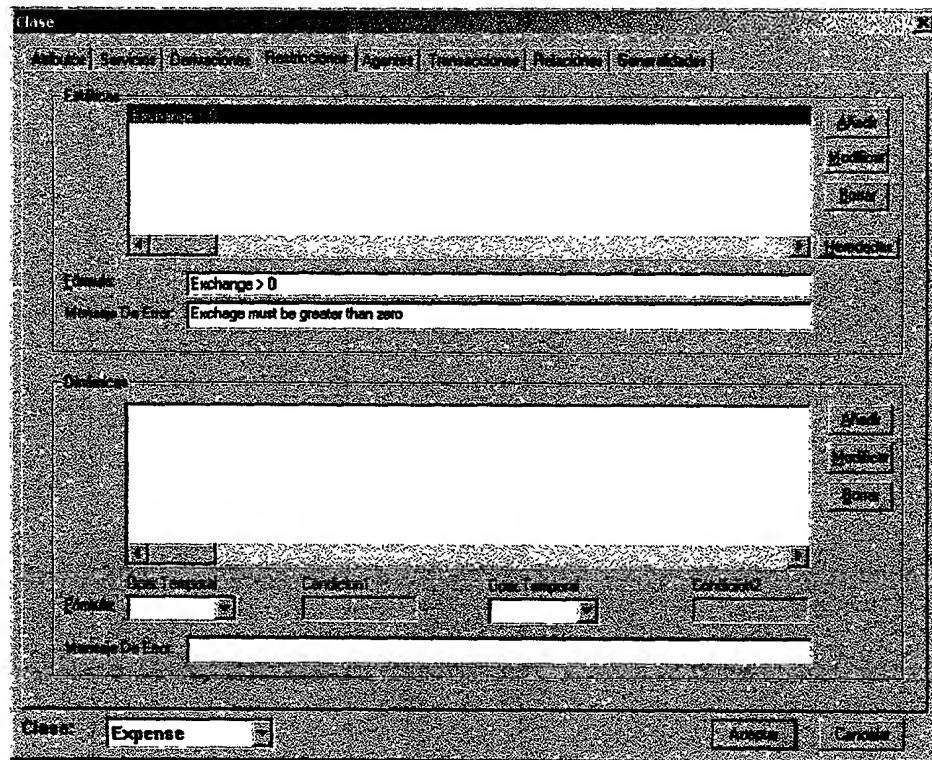
FIG. 12

Next figure shows the formula for the "DELETEALL" transaction:



DIALOG TO DEFINE FORMULA FOR "DELETEALL"
TRANSACTION

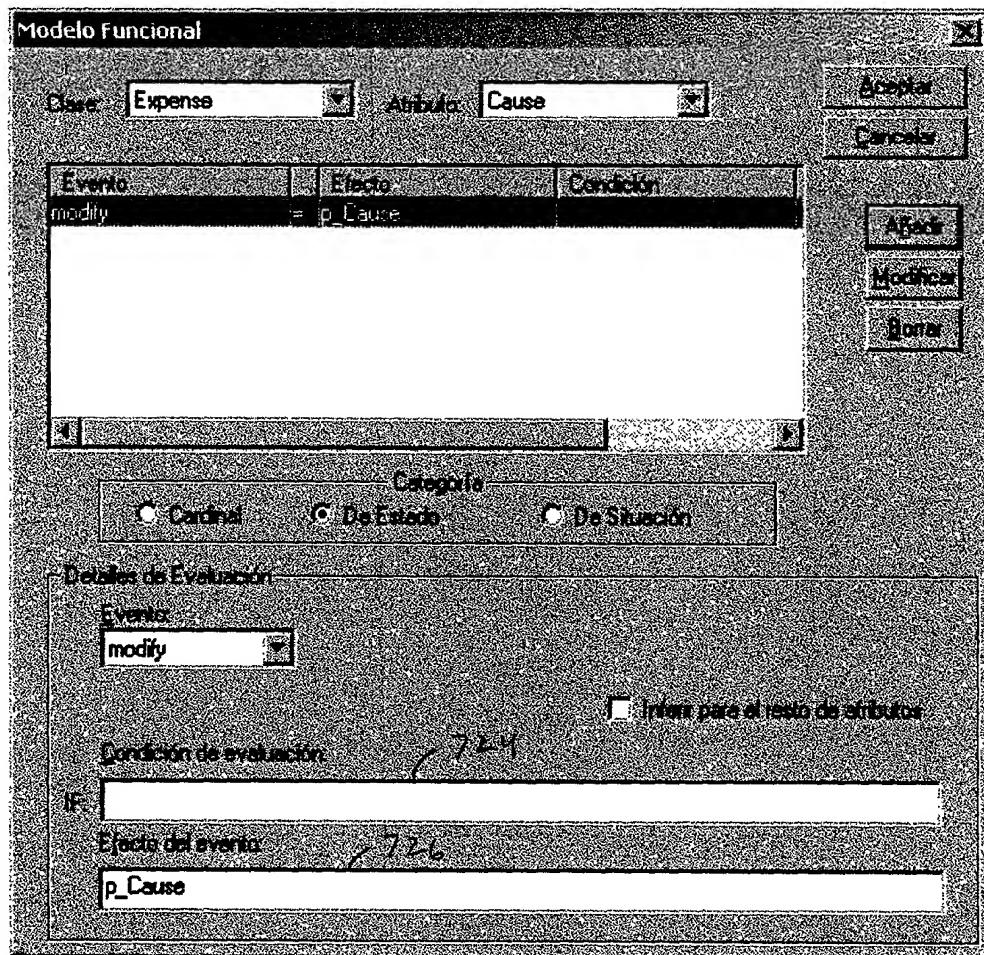
FIG. 13



INTEGRITY CONSTRAINTS OF EXPENSE CLASS

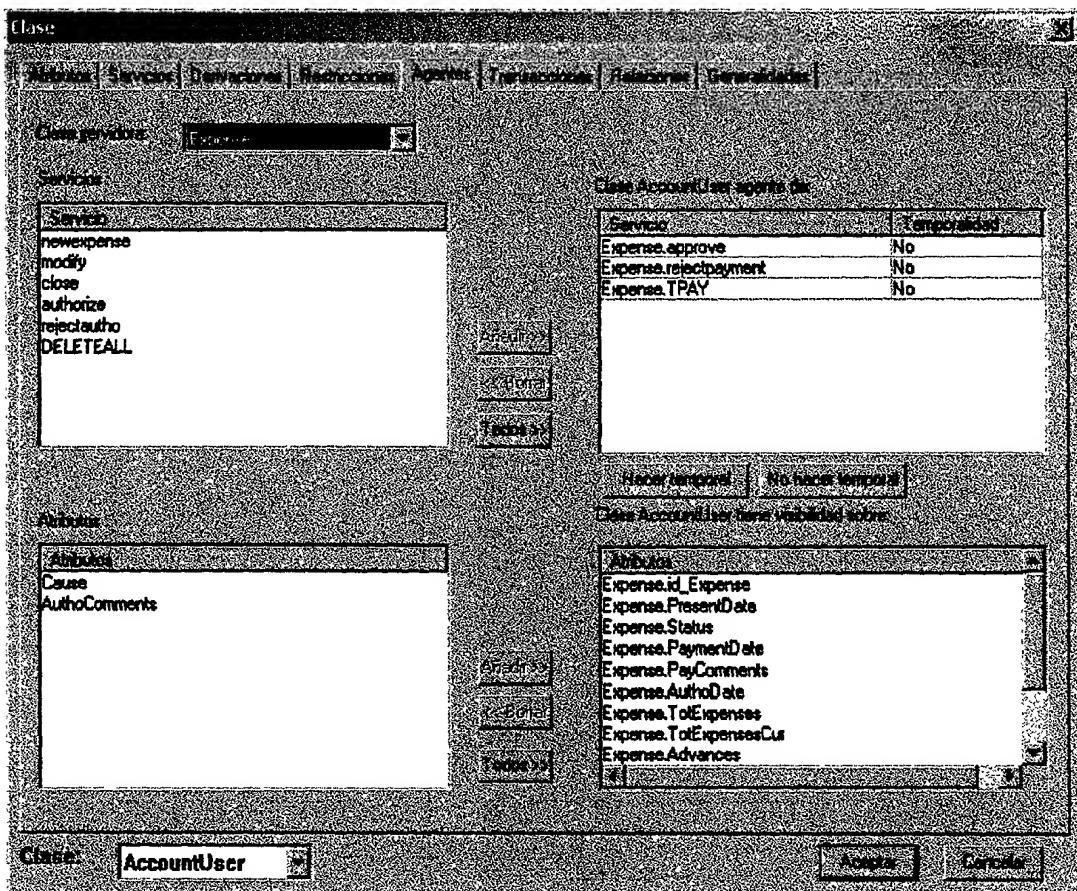
FIG. 14

The value of the attribute "Cause" will be loaded with the value of the argument "p_Cause" of the event "modify" when "modify" was executed.



DIALOG BOX TO CREATE EVALUATION OF
"CAUSE" ATTRIBUTE WITH THE
"MODIFY" EVENT TO FORM PART OF
FUNCTIONAL MODEL

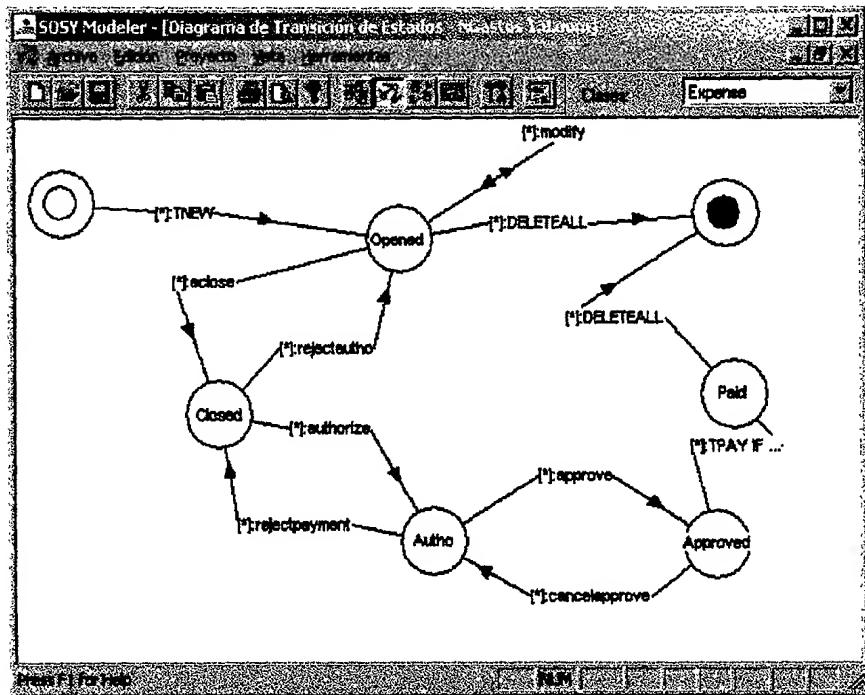
FIG. 15



AGENT RELATIONSHIP DIALOG THAT CAN BE
USED TO SET WHICH SERVICES "ACCOUNTUSER"
CAN ACCESS AND VISIBILITY OF CLASS
ATTRIBUTES FOR THIS USER

FIG. 16

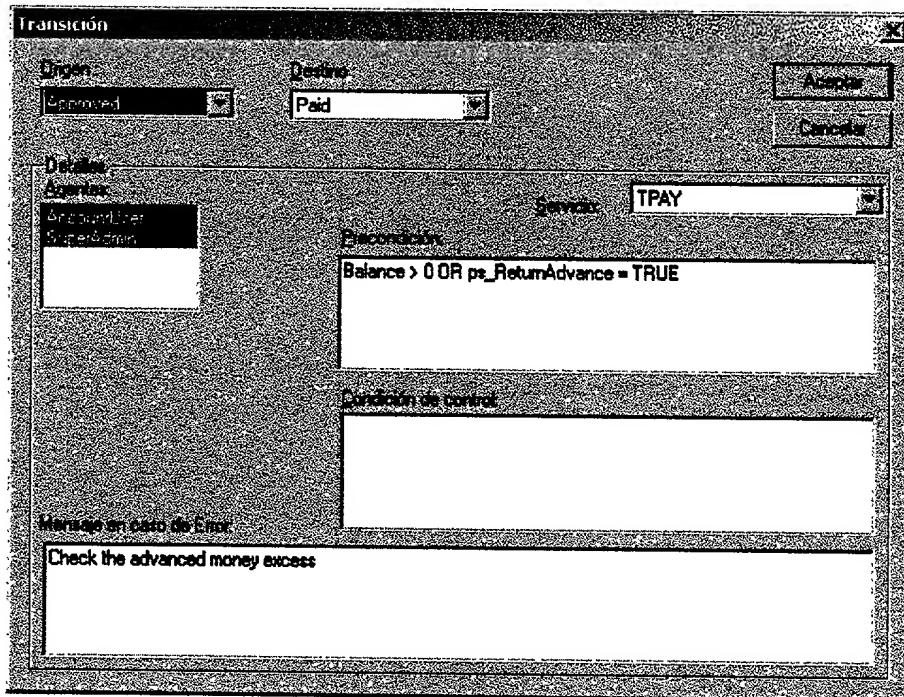
FIG. 16 Page 10 of 10



STATE TRANSITION DIAGRAM FOR CLASS "EXPENSE"

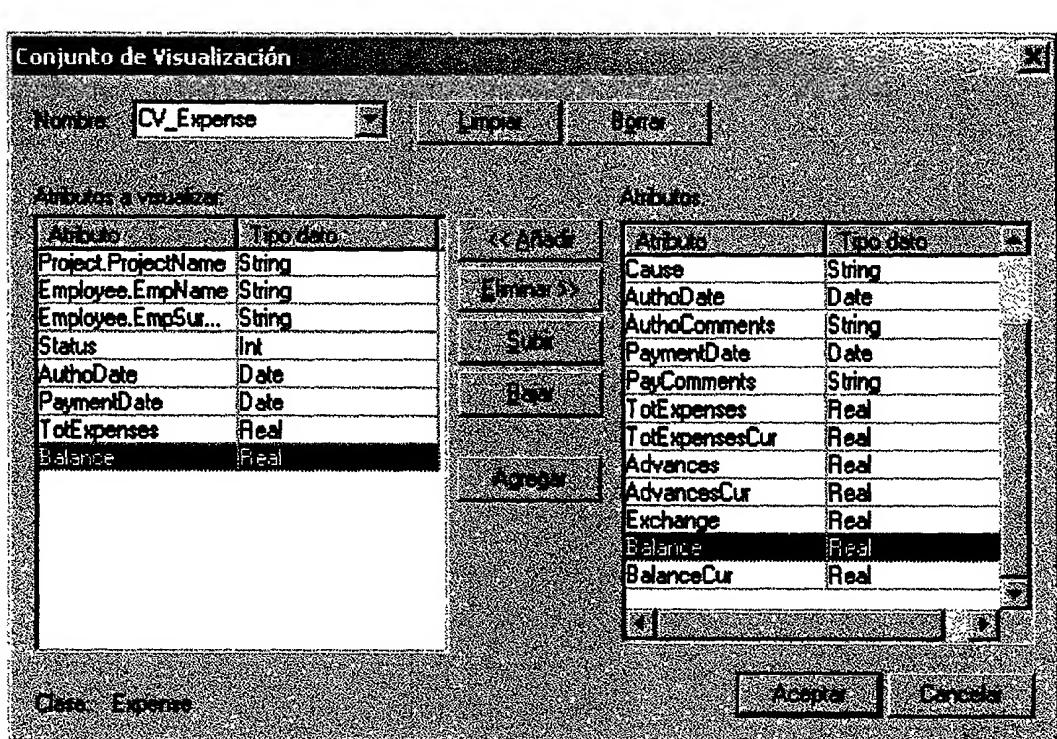
FIG. 17

According to last paragraph of Procedure, if the Advances are greater than total expenses, the system must force the confirmation of the account user. It is expressed as a precondition in the "TPAY" transaction. Next figure shows it.



DIALOG BOX TO MODEL PRECONDITION

FIG. 12



DIALOG BOX USED BY SOSY MODELER
TO ESTABLISH A SET OF ATTRIBUTES
TO BE DISPLAYED FOR THE "EXPENSE" CLASS

FIG. 19

Filtro

Clase:	vt_Expense	Clase:	Expense Reports	Operación:	Borrar																																				
Fórmula:																																									
$ \begin{aligned} & \text{Project} = \text{vt_Project} \text{ AND } \text{Employee} = \text{vt_Employee} \text{ AND } \\ & \text{PresentDate} \geq \text{vt_DateInIssue} \text{ AND } \text{PresentDate} \leq \text{vt_DateEndIssue} \text{ AND } \\ & \text{AuthoDate} \geq \text{vt_DateInApp} \text{ AND } \text{AuthoDate} \leq \text{vt_DateEndApp} \text{ AND } \\ & \text{PaymentDate} \geq \text{vt_DateInPay} \text{ AND } \text{PaymentDate} \leq \text{vt_DateEndPay} \text{ AND } \end{aligned} $																																									
Observación:																																									
Variables:																																									
<table border="1"> <thead> <tr> <th>Nombre</th> <th>Alias</th> <th>Tipo de dato</th> <th>Tipos de dato</th> <th>Estado</th> <th>Opciones</th> </tr> </thead> <tbody> <tr> <td>vt_Project</td> <td>Project</td> <td>Project</td> <td>Sel. Población</td> <td></td> <td>Nueva</td> </tr> <tr> <td>vt_Employee</td> <td>Employee</td> <td>Employee</td> <td>Sel. Población</td> <td></td> <td>Modificar</td> </tr> <tr> <td>vt_DateInIssue</td> <td>Initial Issuing Date</td> <td>Date</td> <td></td> <td></td> <td>Borrar</td> </tr> <tr> <td>vt_DateEndIssue</td> <td>Final Issuing Date</td> <td>Date</td> <td></td> <td></td> <td></td> </tr> <tr> <td>vt_DateInApp</td> <td>Initial Approving D...</td> <td>Date</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Nombre	Alias	Tipo de dato	Tipos de dato	Estado	Opciones	vt_Project	Project	Project	Sel. Población		Nueva	vt_Employee	Employee	Employee	Sel. Población		Modificar	vt_DateInIssue	Initial Issuing Date	Date			Borrar	vt_DateEndIssue	Final Issuing Date	Date				vt_DateInApp	Initial Approving D...	Date			
Nombre	Alias	Tipo de dato	Tipos de dato	Estado	Opciones																																				
vt_Project	Project	Project	Sel. Población		Nueva																																				
vt_Employee	Employee	Employee	Sel. Población		Modificar																																				
vt_DateInIssue	Initial Issuing Date	Date			Borrar																																				
vt_DateEndIssue	Final Issuing Date	Date																																							
vt_DateInApp	Initial Approving D...	Date																																							
<p>TIPO:</p> <p><input checked="" type="radio"/> Simple</p> <p><input type="radio"/> Utilizó variables</p> <p>Nombre: _____ Clase de datos: _____</p> <p>Alias: _____ Clase de selección: _____</p> <p>Tipo de dato: _____</p>																																									
<p>Opciones:</p> <p>Cancelar</p> <p>Aceptar</p>																																									

DIALOG BOX USED BY SOSY MODELER
 TO ESTABLISH THE SEARCHING CRITERIA
 FOR THE EXPENSE CLASS AND TO ESTABLISH
 THE FILTER FORMULA ^{TO USE} AND THE VARIABLES
 TO REQUEST THE USER TO ENTER

FIG. 20

FLOWCHART OF THE FUNCTIONS THAT ALL SPECIES IN THE DOCUMENTATION GENERATOR TRANSLATOR SUBGENUS WILL PERFORM

